

Title (en)  
Vehicle alternator

Title (de)  
Fahrzeugwechselstromgenerator

Title (fr)  
Alternateur de véhicule

Publication  
**EP 1168569 B1 20081119 (EN)**

Application  
**EP 01115488 A 20010627**

Priority  
JP 2000195905 A 20000629

Abstract (en)  
[origin: EP1168569A1] Shift means (147) shifts a rotation speed range to a low rotation speed side based on an electricity amount related to rotation speed. In the rotation speed range, driving torque of a generator is suddenly changes as a result of an increase of duty ratio of a switch (149) due to a shortage of generation capacity caused by a reduction of a rotation speed of a vehicle alternator (1). Preferably, the shift means (147) shifts the rotation speed range to the low rotation speed side by changing the adjust voltage based on the electricity amount related to rotation speed while the rotation speed is reduced. <IMAGE>

IPC 8 full level  
**B60R 16/03** (2006.01); **H02J 7/14** (2006.01); **H02J 7/16** (2006.01); **H02P 9/04** (2006.01); **H02P 9/14** (2006.01); **H02P 9/30** (2006.01)

CPC (source: EP US)  
**H02J 7/1446** (2013.01 - EP US); **H02P 9/04** (2013.01 - EP US); **Y02T 10/92** (2013.01 - EP US)

Cited by  
DE102007017806B4; US7528585B2

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DE FR GB IT

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**EP 1168569 A1 20020102; EP 1168569 B1 20081119**; DE 60136596 D1 20090102; JP 2002017053 A 20020118; JP 3509007 B2 20040322; US 2002000791 A1 20020103; US 6456048 B2 20020924

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**EP 01115488 A 20010627**; DE 60136596 T 20010627; JP 2000195905 A 20000629; US 89341701 A 20010629